

IN THE CLAIMS

Please cancel claims 1-13. Please add new claims 14-27, as follows:

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--14. Apparatus for transporting workpieces in a press, press line, multi-stage press for components or the like, the apparatus comprising a number of processing stations, each processing station having an independent transporting apparatus for transporting the workpiece and executing a biaxial transporting movement, the transporting apparatus comprising:

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a drive system used for driving a crossmember;

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a workpiece-retaining element connected with the crossmember; and

a movement-transmission element connected with the crossmember;

wherein said drive system has stationary drives with each acting on the movement-transmission element, and the drives move coordinately with the movement-transmission element so as to obtain a desired programmable traveling curve of the crossmember.

15. Apparatus according to claim 14, further comprising first slides with linear guides on which the crossmember is mounted.

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16. Apparatus according to claim 15, wherein the movement-transmission element includes a rack drive for carrying out longitudinal, lifting and lowering movements of the first slides for the crossmember.

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17. Apparatus according to claim 14, further comprising an adjusting and lifting apparatus for lifting and lowering the transporting apparatus.

18. Apparatus according to claim 14, wherein the movement-transmission element includes a spindle drive with treaded spindle and step-down mechanism.

19. Apparatus according to claim 14, wherein the movement-transmission element includes a toothed-belt drive with toothed-belt pulley.

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20. Apparatus according to claim 14, wherein the movement-transmission element moves horizontally in the transporting direction.

21. Apparatus according to claim 15 or 16, further comprising a drive for pivotably moving the crossmember, the drive being mounted on the first slides.

22. Apparatus according to claim 15 or 16, further comprising two parallel racks driven, via drive-gearwheels, by the stationary drives, for carrying out longitudinal movement, lifting and lowering movements of the first slides for the crossmember.

23. Apparatus according to claim 22, wherein the two parallel racks are arranged horizontally.

24. Apparatus according to claim 22, wherein the two parallel racks are arranged vertically.

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25. Apparatus according to claim 22, further comprising second slides, of which lifting and lowering movements are set up by the drive-gearwheels.

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26. Apparatus according to claim 25, further comprising a shaft between the gearwheels, wherein the gearwheels are mounted on the second slides, and a first part of the gearwheels is fastened at one end of the shaft and a second part of the gearwheels is fastened at the other end of the shaft.

27. Apparatus according to claim 25, wherein the first slides include a vertical slide and the second slides include a horizontal slide, the movement-transmission element includes a toothed belt with deflecting rollers, and the toothed belt is connected to the vertical slide via a first fixed point and to the horizontal slide via a second fixed point. --